



County Borough of Bournemouth.
1923.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

with which are included
the REPORTS of the

CHIEF SANITARY INSPECTOR

and

PUBLIC ANALYST.

BOURNEMOUTH:

Printed by "Bournemouth Guardian." Ltd.





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COUNTY BOROUGH OF BOURNEMOUTH.

HEALTH COMMITTEE.

The Mayor (Mr. Alderman Charles Henry Cartwright, J.P.).

Mr. Alderman J. E. Beale, J.P. (Chairman).

Mr. Councillor J. J. Brazier (Vice-Chairman).

Mr. Alderman C. H. Mate, J.P.	Mr. Councillor C. Long.
" " F. S. Mate.	" " G. I. Luckham.
Mr. Councillor J. J. Empson.	" " H. Sparkes.
" " John Fox	" " F. B. Summerbee.
" " C. A. D. George, J.P.	" " E. J. Stocker.
Mrs. Councillor F. E. Laney, J.P.	" " T. B. Scott, J.P.

GENERAL SUB-COMMITTEE FOR HOSPITAL AND GENERAL PURPOSES.

The Chairman.

Vice-Chairman.

Alderman F. S. Mate, Councillors Empson, Laney, Long, Luckham, Scott, Stocker and Summerbee.

HEALTH AND SANITARY DEPTS.

Medical Officer of Health ..	.. { A. D. Edwards, M.B., B.S(Lond.), B Sc.
School Medical Officer ..	.. { D.P.H.
Asst. Medical Officer of Health ..	.. { W. V. T. Styles, M.R.C.S. (Eng.), L.R.C.P.
" School Medical Officer ..	.. { (Lon.), L.D.S.
Clinical Tuberculosis Officer ..	.. { D. A. Hutcheson, M.D. (Hons.), Ch.B. (Aber-
Chief Sanitary Inspector ..	.. { deen), D.P.H. (Aberdeen).
District Sanitary Inspectors ..	.. { W. G. Cooper, F.I.S.E., F.R.San.Inst.
Food Inspector and certified Meat	.. { Messrs. A. J. Phillips, W. J. S. Adams,
Inspector .. ..	.. { E. Smith, C. T. Newlyn, D. J. Mortimore
Shops Inspector ... ..	.. { (all certified Royal Sanitary Institute).
Matron, Sanitary Hospital ..	.. Miss E. Wilcox.
Health Visitors .. ..	.. Miss C. Brock, Mrs. K. Blanshard, Miss
Clerks .. ..	.. F. E. A. Richardson, Miss E. O. Oliver
Superintendent of Public Conveniences	.. { (all Cert. Mid. Board).
Mortuary and Water Meters ..	.. A. W. Hurley, G. O. Willis, F. J. Hocking,
Disinfectors and Drain Testers ..	.. P. E. Collier, O. A. Trendell, W. B. Graham.
Corporation Rat Catcher ..	.. T. H. Bailey.
	.. E. Benjafield, H. Chick, F. J. Smith, A.
	.. Lockyer, A. Grose.
	.. F. J. Smith.

Public Analyst .. ..	.. R. A. Cripps, F.I.C.
Bacteriologist .. ..	.. A. C. Ingram, M.D., M.R.C.P., D.P.H.
Veterinary Surgeon .. ..	.. J. Steward Wood, M.R.C.V.S
Meteorologist .. ..	.. C. Dales, F.R.Met S.

COUNTY BOROUGH OF BOURNEMOUTH.

ANNUAL REPORT

OF THE

Medical Officer of Health

For the year 1923.

Health Department,

Town Hall,

Bournemouth.

May, 1924.

TO THE CHAIRMAN AND MEMBERS
OF THE HEALTH COMMITTEE,
COUNTY BOROUGH OF BOURNEMOUTH.

Gentlemen,

I beg to submit my Annual Report on the health of Bournemouth for the year 1923. In general the health of the community was good, the incidence of the acute infections having been light.

Population. The Census of 1921 recorded 91,770 as the population of Bournemouth, and my estimate for the year 1923 is 95,600. As stated in my report last year, the Registrar General decided to deduct 10,570 from the actual Census figure for Bournemouth and he estimates the population for the year 1923 as 82,200.

The statistical rates in this report are based on the Registrar General's figures. These estimates of population made by the Registrar General are so much below the actual population of Bournemouth

as recorded in the Census and so much below the estimate made by the Medical Officer of Health of the population during the past decade that it is impossible to base on them a comparison of statistics from year to year. In this report, therefore, wherever a comparison is made of the year under review with past years the figures are based on the actual Census figure for 1921 and the corresponding estimates for the surrounding years.

The *Infantile Mortality*, that is the number of deaths under one year per thousand births, was 59.81, as compared with the average of 70.59 for the preceding ten years, and of 90.27 for the years 1903 to 1912.

In the decline and fall of diseases there are usually many causes at work, some of which are still not fully understood. The ailments causing child mortality are no exception to this rule, but one factor is recognised as contributing to their elimination: the education of mothers in the best methods of infant rearing. This work has been carried on for some years by Voluntary and Municipal effort, and the thanks of the community are due especially to the members of the Infant Welfare Voluntary Association for their excellent work at the four Municipal Centres.

I beg to thank the Chairman and Members of the Health Committee for their consideration and the staff in general for their co-operation in the work. I wish also to express my thanks to the retiring Chairman, Alderman J. E. Beale, for the assistance and unvarying kindness which he has shown to me during the time I have held my present post.

I am,
Your obedient servant,
A. D. EDWARDS,
Medical Officer of Health.

SUMMARY OF STATISTICS

and general information relating to the County Borough of Bournemouth.

1. **Area of the County Borough :** 6,643 acres.
2. **Geological Information.** Bagshot Sands Series.
Subsoil—Silicious Sand.
3. **Population.** Census of June, 1921 : 91,770.
Estimated 1923 : 95,600.
Estimate of Registrar General : 82,200.
Density of Population : No. of persons per acre, 14.39 (R.G. 12.37).
No. of persons per house, 5.2 (R.G. 4.4).
4. **Birth Rate :** 11.19 (R.G. 13.01) per 1,000 in 1923.
5. **Infantile Mortality :** 59.81 per 1,000 births.
6. **Death Rate :** 11.71 (R.G. 13.62) per 1,000.
7. **Phthisis Death Rate :** .83 (R.G. .97) per 1,000.
8. **Influenza Death Rate :** .14 (R.G. .17) per 1,000.
9. **Number of Cases of Infectious Diseases** per 1,000 of the Population. Scarlet Fever 1.25, Diphtheria .58, Para-typhoid Fever .05, Variola .00, Erysipelas .16.
10. **Number of Inhabited Houses :** (1911) 15,000, (1923) 18,314.
11. **Rateable Value :** (1923) £876,116.
12. **Rates** Poor and General District Rates (1923) 8/5 in the £.

R.G. Signifies Rate based on Registrar General's estimate of the population of 82,200.

VITAL STATISTICS.

Table I. (Ministry of Health).

Vital Statistics of Whole District during 1923 and Previous Years.

Year	Popula- tion esti- mated to middle of each Year.	Births.			Total deaths registered in the District.		Transferable Deaths.		Net deaths belonging to the District.			
		Uncorrected Number.	Net.				Of Non-residents- registered in the District.	Of Residents not registered in the District.	Under 1 year of age.		At all ages.	
									No.	Rate.	No.	Rate.
			1	2	3	4			5	6	7	8	9	10	Rate per 1000 Net Births. 11	12	13
1913	83000	1257	1303	15.69	929	11.19	159	97	86	66.00	867	10.44
1914	85000 *85000	1115	1111	13.42	943	11.09	149	92	81	70.98	886	10.42
1915	†72197 †76939	1146	1190	*14.0	1167	†16.1	155	126	112	94.1	1138	15.74
1916	†70715 †78395	1194	1235	†16.05	1181	†16.70	189	109	86	69.63	1101	†15.56
1917	†70327 †83227	967	979	†12.49	1175	†16.70	251	132	82	83.72	1056	†15.01
1918	†74279 †86073	1093	1031	†12.38	1140	†15.34	219	144	59	57.2	1065	†14.33
1919	†82627	1040	1022	†11.87	1200	†14.63	207	127	89	87.08	1129	†13.66
1920	†86288 †35919	1449	1410	†16.34	1022	†11.89	177	109	64	45.39	954	†11.10
1921	91770	1280	1251	13.95	1133	12.34	179	130	94	75.13	1084	11.81
1922	{ 93770 81500	1168	1129	{ 12.04 13.85	1181	{ 12.59 14.49	174	135	64	56.68	1142	{ 12.17 14.01
1923	{ 95600 82200			{ 11.19 13.01		{ 12.46 14.50						{ 11.71 13.62

* Estimated on 1915 population figure.

† Estimated on new civil population figures supplied by Registrar-General.

MATERNITY AND CHILD WELFARE.

(a) During the year 1,135 births occurred in the County Borough of Bournemouth, of which 115 were transferred to other districts by the Registrar General and 50 transferred into Bournemouth from other districts, the net births in Bournemouth being therefore 1,070, making a *birth rate* of 11.19, and on the Registrar General's estimate of the population, 13.01.

The following table shows the birth rates for previous years:—

1913	1914	1915	1916	1917	1918	1919	1920	1921	1922
15.6	13.4	14.0	16.0	12.4	12.4	11.8	16.3	13.9	12.0

Of the 1,135 births that actually occurred in the County Borough 1,072 were notified. Of these notifications 528 were made by doctors, 534 by midwives and 10 by other persons.

(b) *Infantile Mortality.* Seventy-seven infants died during their first year of life. Of these deaths 17 were transferred to other areas, and 4 transferred to Bournemouth from other districts. The number of infant deaths referred by the Registrar General to Bournemouth was therefore 64, making an Infantile Mortality of 59.81.

Of the 64 infant deaths, 16 were certified as due to premature birth, 6 to pneumonia and 8 to congenital malformations. No child under twelve months died from any notifiable infectious disease.

The following table gives the rate of Infantile Mortality for the past 10 years:—

1913	1914	1915	1916	1917	1918	1919	1920	1921	1922
65.0	70.9	94.1	69.6	83.7	57.2	87.1	45.3	75.1	56.6

Comparative Infantile Mortality. The Infantile Mortality of the 105 County Boroughs and Great Towns of England and Wales during the year was 72, as compared with the figure of 59.8 for Bournemouth.

(c) *Midwives Act.* During the year 27 midwives notified their intention to practise in Bournemouth, 26 being trained and 1 untrained.

One hundred and fifteen records were received concerning the sending for medical assistance by midwives. In 25 of these cases the doctors' fees were paid by the Health Authority, the whole of

the fee being recovered in 2 and a part of the fee in 4 instances.

The following Table gives the causes for which the Midwives required medical assistance during the year 1923:—

Mother	{	Delayed or obstructed labour	...	...	29
		Miscarriage	...	...	4
		Retained Placenta	...	...	3
		Laceration and ruptured perineum	...	...	34
		Hæmorrhage	...	...	4
		Varicose veins	...	...	2
		Breech presentation	...	...	2
		Rigor	...	...	1
		Albuminuria	...	...	2
		Prolapse of cord	...	...	1
		Other conditions	...	...	16
					—
					98
					—
Child	{	Premature birth	...	...	3
		Feebleness	...	...	5
		Slight eye discharge	...	...	4
		Spina Bifida	...	...	1
		Other conditions	...	...	4
					—
					17
					—

(d) *Provision of Milk.* Under the Maternity and Child Welfare Act, 1918, milk was supplied free or below cost to 251 mothers and children during the year, the average daily number receiving milk in this way being 106. The expenditure during the year amounted to £630 as compared with £540 during 1922 and £590 during 1921. A Government grant of 50 per cent. is received in relief of this as of all other Maternity and Child Welfare expenditure.

(e) *Ophthalmia Neonatorum.* During the year 12 notifications were received in respect of this inflammation of the eyes. All the cases were mild, but in 4 instances it was considered advisable to admit the mother and child into Hospital. The

notifications of Ophthalmia or threatened Ophthalmia have been made without delay, and prompt measures were taken in each case, which thereafter was kept under observation.

Infant Care Table I.

Births (including 50 transferred to Bournemouth from other districts)	1070
Births that occurred actually in Bournemouth	1135
Births notified (94.4 per cent. of births in Bournemouth)	1072

There were also notified 37 still-births of which 26 were notified by doctors, 10 by midwives, and 1 by the parent.

Infant Care Table 2.

Visits by the Council's Health Visitors.

Mothers and Infants—

First visits ...	944
Re-visits ...	3,618
Re-visits to children over 1 year of age ...	2,607

Expectant Mothers—

First visits ...	228
Re-visits ...	60
Other visits ...	467

7,924

Infant Care Table 3.

Work of the Centres, Year 1923.

No. of Clinic Sessions held	Attendances.			Number of Health Talks Given.	Consultations by Doctors.	Attendances at Consultations		
	Mothers	Babies	Other Children.			Mothers.	Babies.	Other Children.
200	9680	5020	6226	153	200	391	1943	1236

Infant Care Table 4.
Comparison of Total Attendances.

YEAR.	ATTENDANCES.			TOTAL.
	Mothers.	Babies.	Other Children.	
1917	3516	1757	2357	7630
1918	3942	1882	2855	8679
1919	4990	2352	3049	10391
1920	7680	4630	3841	16151
1921	9114	5607	4428	19149
1922	8818	4913	4807	18538
1923	9680	5020	6226	20926

During the year 36 Maternity patients and also 18 Ailing Infants were admitted into Municipal beds in the General Hospital.

Table No. 4 (Ministry of Health).

INFANT MORTALITY—59.81.

Net deaths from stated causes at various ages under one year of age.

Causes of Death.	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 m'ths.	3-6 months.	6-9 months.	9-12 months.	Total deaths under 1 year.
Small-pox ...	—	—	—	—	—	—	—	—	—	—
Chicken-pox ...	—	—	—	—	—	—	—	—	—	—
Measles ...	—	—	—	—	—	—	—	1	1	2
Scarlet Fever ...	—	—	—	—	—	—	—	—	—	—
Whooping Cough ...	—	—	—	—	—	3	2	2	—	7
Diphtheria and Croup...	—	—	—	—	—	—	—	—	—	—
Erysipelas ...	—	—	—	—	—	—	—	—	—	—
Tuberculous Meningitis	—	—	—	—	—	—	—	—	—	—
Abdominal Tuberculosis	—	—	—	—	—	—	—	—	—	—
Other Tuberculous Diseases ...	—	—	—	—	—	—	—	—	—	—
Meningitis (not Tuberculous) ...	—	—	—	—	—	—	—	—	1	1
Convulsions ...	—	—	—	—	—	1	—	—	—	1
Laryngitis ...	—	—	—	—	—	—	—	—	—	—
Bronchitis ...	—	—	—	—	—	1	—	2	—	3
Pneumonia (all forms)...	1	—	—	—	1	1	—	3	1	6
Diarrhoea ...	—	—	—	—	—	—	—	—	—	—
Enteritis ...	—	—	—	—	—	—	—	—	1	1
Gastritis ...	—	—	—	—	—	—	—	—	—	—
Syphilis ...	—	—	—	—	—	—	1	1	1	3
Rickets ...	—	—	—	—	—	—	—	—	—	—
Suffocation, overlying...	1	—	—	—	1	—	—	—	—	1
Injury at birth ...	2	—	—	—	2	—	—	—	—	2
Atelectasis ...	1	—	—	—	1	—	—	—	—	1
Congenital Malformations ...	4	2	—	—	6	1	—	1	—	8
Premature birth ...	12	—	—	—	12	4	—	—	—	16
Atrophy, Debility and Marasmus ...	1	1	1	—	3	2	1	1	—	7
Other causes...	1	1	—	—	2	1	2	—	—	5
	23	4	1	—	28	14	6	11	5	64
Net Births } Legitimate	997		Net Deaths }		Legitimate		53			
in the year } Illegitimate	73		in the year }		Illegitimate		11			

TUBERCULOSIS.

The following tables give the statistics for Tuberculosis during 1923:—

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

Summary of Notifications during the period from 31st December, 1922, to 29th December, 1923, in the County Borough of Bournemouth.

Age Periods.	Number of notifications on Form A.										Number of notifications on Form B.			Number of notifications on Form C.	
	Primary notifications.										Primary notifications.		Total notifications on Form B.	Poor Law Institutions.	Sanatoria.
	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65 & upwards.	Under 5	5 to 10	Total.		
Pulmonary Males ..	—	—	1	1	5	20	25	10	8	4	—	—	—	2	40
Females ..	—	—	1	5	17	20	12	15	2	5	—	—	—	1	38
Non-Pulmonary Males	—	3	1	4	—	1	1	—	2	—	—	—	—	—	—
Females	—	6	—	1	2	2	1	2	3	1	—	—	—	—	2

The following table gives the locations of Non-pulmonary Tuberculosis in the patients of all ages who were notified:—

LOCATION.				Male.	Female.	Total.
Diseases of Bones and Joints	...	...	...	3	6	9
Disease of Larynx	...	...	...	2	1	3
Disease of Genito-Urinary System	...	...	...	—	—	—
Abdominal Disease	...	...	...	2	2	4
Diseases of Glands	...	...	...	2	5	7
Diseases of other parts	...	...	...	3	4	7
Totals	...	...	...	12	18	30

TUBERCULOSIS DISPENSARY.

During the year 1923 the Dispensary was open on 151 afternoons.

There were 413 patients under treatment, their attendances averaging 3.01 each.

The total number of attendances of patients was 1,247 as follows:—

Adults, male	...	...	464
Adults, female	...	...	298
Children, male	...	...	251
Children, female	.	.	234
			1247

Average attendance per session, 8.25 patients.

SANATORIA.		No. of patients	No. of patient days.
<i>Early Cases:</i>			
Adult Bournemouth patients who received treatment during 1923 in:			
Royal National Sanatorium, Bournemouth	...	58	5452
Other Sanatoria	...	4	622
Children sent to St. Catherine's Home, Ventnor	... ..	18	1790

Advanced Cases:

Adult Bournemouth patients who received treatment in:			
Firs Home, Bournemouth		21	3207
Other Institutions	...	5	242

Surgical Cases:

Adult Bournemouth patients who received treatment in:			
Royal Sea-Bathing Hospital, Margate, and the Royal Victoria and West Hants Hospital, Bournemouth		2	205
		<hr/> 108	<hr/> 11518

The actual number of Bournemouth patients who received treatment in institutions during 1923 was 100.

Of these, 58 were "early" adult cases, including 3 ex-Service men whose disease was due to military service.

Twenty-two were "advanced" adult cases, including 4 ex-Service men whose disease was due to military service.

Two were " surgical " adult cases, both being ex-Service men whose disease was due to military service.

Eighteen were children suffering from delicate chests.

TUBERCULOSIS.

The number of deaths that occurred from Tuberculosis of the Lungs during the year was 80. On the Registrar General's estimate of the population of 82,200 this gives a rate of .97 per thousand, while on the estimate of the population for the year 1923 based on the true Census figure the rate is .83 per thousand.

This mortality rate for Bournemouth continues its progressive decrease which has continued during the past 50 years in the country at large and even to a greater extent in Bournemouth, the only time when the disease showed no continued decrease in its mortality being the years of the Great War.

INFECTIOUS DISEASE.

No serious spread of any infectious disease occurred in the County Borough during the year.

Forty-nine patients suffering from Diphtheria were notified, 1 of whom died. One hundred and eighteen cases of Scarlet Fever were notified, 2 of whom died.

The outbreak of Measles that occurred at the end of the year 1922 continued during the first few months of 1923 and it was considered advisable to close some of the Infants' Departments of the Elementary Schools.

BOURNEMOUTH SANITARY HOSPITAL.

During the year 224 cases were admitted into the Hospital. Of these, 184 were Bournemouth patients, and 40 were admitted from outside the County Borough. The following table refers to Bournemouth patients:—

Hospital Table No. 1.

Diphtheria	...	...	...	...	56
Scarlet Fever	...	...	...	...	105
Tuberculosis	...	...	...	...	1
Measles	...	...	...	...	7
Enteric Fever	...	...	...	...	2
Encephalitis Lethargica	...	...	...	...	1
Diphtheria Observation Cases and Carriers	...	...	...	...	4
Scarlet Fever Observation Cases	...	...	...	...	4
Other Observation Conditions	...	...	...	...	4
Total					184

The 40 cases admitted from outside the County Borough were as follows:—

Scarlet Fever	...	...	23
Diphtheria	...	...	17

During the year 7 deaths occurred in the Hospital from the following diseases:—

Scarlet Fever	...	...	2
Diphtheria	...	...	3
Encephalitis Lethargica	...	...	1
Other Conditions	...	...	1

The average number of patients in the Hospital per day during the year was 24.06.

Table No. 2 (Ministry of Health).
CASES OF INFECTIOUS DISEASE WHICH
OCCURRED DURING 1923.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.								CASES REMOVED TO HOSPITAL.
	At all Ages.	At Ages—Years.							
		Under 1.	and under 5 years.	and under 15 years.	and under 25 years.	and under 45 years.	and under 65 years.	65 and upwards	
Diphtheria (including Membranous Croup)	56	—	8	27	14	5	2	—	56
Erysipelas	16	1	—	1	—	2	5	7	—
Scarlet Fever	120	—	16	74	24	6	—	—	105
Enteric Fever (includ- ing Para-Typhoid)	5	—	—	—	—	2	2	1	3
Puerperal Fever	1	—	—	—	—	1	—	—	1
Ophthalmia Neona- torum	12	12	—	—	—	—	—	—	4
Pneumonia	11	—	1	2	—	4	2	2	1
Malaria	1	—	—	—	1	—	—	—	—
Chicken Pox	196	5	44	113	26	8	—	—	—
Encephalitis Lethar- gica	8	—	—	—	2	1	5	—	7
Dysentery	1	—	—	—	—	—	1	—	1
Poliomyelitis	1	—	—	1	—	—	—	—	—
Polio-Encephalitis . . .	1	—	—	1	—	—	—	—	—
Totals	429	18	69	219	67	29	17	10	178

**BOURNEMOUTH DEATHS FROM NOTIFIABLE INFECTIOUS
DISEASES.**

Year.	Small Pox.	Diphtheria.	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Erysipelas.	Total.	Deaths per 1,000 population.
1908	0	11	2	2	1	0	16	0·22
1909	0	9	3	0	1	4	17	0·21
1910	0	11	1	0	0	2	14	0·17
1911	0	5	0	1	1	1	8	0·10
1912	0	3	3	2	1	1	10	0·12
1913	0	4	1	0	2	0	7	0·08
1914	0	13	0	0	1	0	14	0·16
1915	0	11	2	0	0	3	16	0·22
1916	0	7	0	0	1	2	10	0·14
1917	0	7	0	1	2	1	11	0·15
1918	0	2	1	0	7	1	11	0·14
1919	0	1	0	0	1	2	4	0·04
1920	0	6	0	0	2	0	8	0·09
1921	0	1	1	1	4	0	6	0·06
1922	0	3	0	1	3	0	7	0·07
1923	0	1	2	0	2	0	5	0·05

Hospital Table No. 1.

Comparative Statement for Ten Years.

YEAR.	Average number of persons, inclusive of Staff in Hospital per day.	Total Average cost per person per day, which includes all administrative expenses.	Average cost per person per day for provisions alone, including stimulants.	Maintenance charges. Income for the year.	Total Expenditure for the year, after deducting receipts from patients.	Total of all cases received into Hospital.
1914	57.99	£ s. d. 0 4 3½	£ s. d. 0 1 0½	£ s. d. 526 0 11	£ s. d. 3995 15 5	328
1915	59.95	0 4 6½	0 1 1½	748 8 11	4211 12 2	328
1916	52.02	0 4 10½	0 1 3½	925 8 10	3677 15 6	368
1917	48.73	0 6 2½	0 1 6	800 15 5	4228 1 4	245
1918	36.23	0 6 1½	0 1 6½	437 14 11	9602 8 9	202
1919	40.9	0 9 3½	0 2 0½	591 18 8	6915 0 10	*220
1920	46.43	0 11 2½	0 3 6½	1277 1 8	8278 12 10	*218
1921	49.82	0 9 8½	0 1 8½	1130 0 11	7679 10 9	182
1922	47.24	0 7 9½	0 1 5½	961 19 5	5767 11 1	*196
1923	45.32	0 7 9½	0 1 4½	1057 7 10	5420 10 9	224

* Includes mothers who went into Hospital to nurse children with Ophthalmia Neonatorum.

Hospital Table No. 2.

**Statement of Stock and Loans relating to Land and Buildings in connection with
the Sanitary Hospital, 31st March, 1923.**

Amount originally sanctioned	Amount originally borrowed		Amount unre- deemed at commencement of the year.	Amount re- deemed or transferred during the y'r.	Amount outstanding at the end of the year	Amount in redemption or sinking fund	Net debt	To whom owing
	Stock	Loans						
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	Stockholder's
1400 0 0	1395 6 8	160 0 0	261 15 7	23 8 2	238 7 5	12 7 10	225 19 7	"
2717 8 0	2708 12 7	125 0 0	126 14 0	6 6 7	120 7 5	3 7 0	117 8 5	"
610 13 8	608 9 0	34 0 0	2450 0 0	750 0 0	1700 0 0	105 11 10	1594 8 2	"
1100 11 0	1097 0 1	3800 0 0	344 0 0	130 0 0	214 0 0	3 17 3	210 2 9	Short Term Lenders.
4116 0 0	4004 9 9	475 0 0	5660 0 0	860 0 0	4800 0 0	2 14 10	4797 5 2	"
624 0 0	607 2 7	7000 0 0	61 14 0	44 8 0	17 6 0		17 6 0	National Provincial Bank of England.
160 0 0		416 18 0						
375 0 0	261 15 7							
155 0 0	126 14 0							
3800 0 0								
475 0 0								
7000 0 0								
444 0 0								
22977 12 8	10809 10 3	12010 18 0	8904 3 7	1814 2 9	7090 0 10	127 18 9	6962 2 1	
	22820 8 3							

Table No. 3. (Ministry of Health).
Causes of and Ages at Death during the Year 1923.

Causes of Death.	Net Deaths at the subjoined ages of "Residents" whether occurring within or without the District.								
	All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and up-ward
All Causes ...	1120	64	10	9	19	28	97	268	625
Enteric Fever ...	..	...	...	...	...	...	...	...	...
Small Pox ...	...	...	...	...	...	...	...	...	...
Measles ...	5	2	2	...	1	...	...	...	...
Scarlet Fever ...	2	...	...	...	1	1	...	...	...
Whooping Cough ...	10	7	3	...	...	...	..	...	...
Diphtheria ...	1	...	1	...	...	...	...	...	...
Influenza ...	14	...	...	...	...	...	1	6	7
Encephalitis lethargica...	2	...	...	...	...	2	...	...	...
Meningococcal meningitis	...	...	..	...	...	...	...	...	...
Tuberculosis of respiratory system ...	80	...	...	..	1	10	45	17	7
Other tuberculous diseases	13	...	2	1	1	4	1	3	1
Cancer, malignant disease	137	...	...	...	...	2	8	56	71
Rheumatic Fever ...	4	...	...	1	2	...	1	...	...
Diabetes ...	12	...	...	...	...	1	...	1	10
Cerebral hæmorrhage, &c.	108	...	...	...	...	...	1	18	89
Heart disease...	226	...	...	...	2	...	9	47	168
Arterio-sclerosis ...	52	...	...	...	...	...	...	8	44
Bronchitis ...	60	3	...	...	...	...	2	11	44
Pneumonia (all forms)...	44	6	1	1	1	2	2	11	20
Other respiratory diseases	15	...	...	...	...	...	1	2	12
Ulcer of stomach or duodenum ...	7	...	...	...	...	...	...	6	1
Diarrhœa, &c....	11	1	...	...	...	...	2	2	6
Appendicitis and typhlitis	4	...	...	...	1	...	2	...	1
Cirrhosis of liver ...	10	...	...	1	...	...	...	3	6
Acute and chronic nephritis ...	44	1	...	1	2	1	3	17	19
Puerperal sepsis ...	2	...	...	...	...	...	2	...	...
Other accidents & diseases of pregnancy and parturition ...	1	...	...	...	...	...	1	...	...
Congenital debility and malformation, premature birth ...	32	32	...	...	...	...	...	...	...
Suicide ...	9	...	...	...	...	...	4	2	3
Other deaths from violence ...	30	2	1	...	2	3	4	8	10
Other defined diseases ...	184	10	...	4	5	2	8	49	106
Causes ill-defined or unknown ...	1	...	...	...	..	...	...	1	...
	1120	64	10	9	19	28	97	268	625

BACTERIOLOGY.

The following Table has been completed by Dr. A. C. Ingram, Borough Bacteriologist, indicating the examinations carried out for the Health Department and Hospital.

SANITARY HOSPITAL.

Swabs re Diphtheria, etc.	660
---------------------------	-----	-----	-----	-----

HEALTH DEPARTMENT.

Swabs re Diphtheria, etc.				
per M.O.H.	...	...	...	122
per Private Practitioners	...	...	...	108
Sputum Specimens re Tuberculosis—				
per Municipal Dispensary	...	...	...	33
per Private Practitioners	...	...	...	113
Hair Specimens re Ringworm—				
per Infant Care Administration	...	...	...	2
Milk Samples re Tuberculosis	...	...	...	52
do. General Examination	...	...	...	52
Ice Cream Samples re Sundry Contaminations	...			8
Sundries per M.O.H.	...	...	...	4
				—
	Total	...	...	1154
				—

TREATMENT AND PREVENTION OF
VENEREAL DISEASES.

The following tables give statistics concerning the Municipal Clinic and the provision of bacteriological facilities for the diagnosis of Venereal Diseases.

Statistics concerning patients from the County Borough of Bournemouth for the year ended 31st December, 1923.

Number of persons dealt with at or in connection with the Out-patient Clinic for the first time and found to be:—

	Males.	Females.	Total.
Suffering from Syphilis ...	22	12	34
Suffering from Gonorrhœa	48	12	60
Not suffering from Venereal Disease ...	45	20	65
			<hr/> 159 <hr/>

Number of patients discharged from the Out-patient Clinic after completion of:—

Treatment for Syphilis ...	6	7	13
Treatment for Gonorrhœa	17	4	21
			<hr/> 34 <hr/>

Number of patients who ceased to attend the Out-patient Clinic without completing treatment and who were suffering from:—

Syphilis ...	12	9	21
Gonorrhœa ...	26	4	30
			<hr/> 51 <hr/>

Total attendances at the Out-patient Clinic of all persons who were:—

Suffering from Syphilis ...	...	779
Suffering from Gonorrhœa	...	682
Not found to be suffering from Venereal Disease	...	196
		<hr/> 1657 <hr/>

Aggregate number of “ In-patient days ” of treatment given to persons :—

Suffering from Syphilis	...	...	140
Suffering from Gonorrhœa	...	...	235
Not found to be suffering from			
Venereal Disease	...	...	13
			<hr/>
			388
			<hr/>

Number of doses of Salvarsan substitute used in Treatment Centre ... 451

EXAMINATION OF PATHOLOGICAL MATERIAL.

Number of specimens from persons attending at the Treatment Centre which were sent for examination to an independent laboratory for Wassermann Reaction ... 242

Specimens from patients of private medical practitioners which were sent for examination :—

For detection of Spirochetes	...	1
For detection of Gonococci	...	40

Salvarsan approved substitutes supplied to medical practitioners :—

Doses	147
-------	-----	-----	-----	-----	-----

Pathological Outfits supplied to medical practitioners :—

For Wassermann Test	...	...	11
For detection of Gonococci	...	...	4

COUNTY BOROUGH OF BOURNEMOUTH.

SANITARY INSPECTOR'S DEPARTMENT.

Town Hall,

Bournemouth.

16th May, 1924.

TO THE MAYOR AND TOWN COUNCIL OF THE
COUNTY BOROUGH OF BOURNEMOUTH.

Mr. Mayor and Gentlemen,

I beg to submit for your consideration the Annual Report upon the work carried out by this Department during the year ending 31st December, 1923.

SPECIAL REPORTS.

Reports on the undermentioned subjects have been submitted to, and considered by, your Health Committee during the period under review, and the necessary action taken:—

- (1) Increase of Rent and Mortgage Interest (Restrictions) Act, 1920.—Departmental action.
- (2) Shops Act, 1912 and 1920:
 - (a) Holiday Closing.
 - (b) Outworkers.
 - (c) Early Closing.
 - (d) Intervals for Meals.
- (3) Milk and Dairies (Amendment) Act, 1922.
- (4) Milk (Special Designations) Order, 1922.
- (5) Public Health (Condensed Milk) Regulations, 1923.
- (6) Sale of Food and Drugs Act.
 - (a) Quarterly Reports.
- (7) Pig Keeping.

- (8) Common Lodging Houses.
- (9) Factory and Workshops Act, 1901.
 - (a) Reports under Section 5.
 - (b) Notices of Occupation.
 - (c) Bakehouses.
 - (d) Celluloid Regulations, 1921.
- (10) Public Conveniences.
 - Employees hours of duty.
- (11) Workshop, rear of 14, St. Michael's Road.
(Conversion of workshop into dwelling house.)
- (12) House to House Inspection re overcrowding and Housing conditions.
- (13) Smoke Observations.
- (14) Itinerant show grounds.
- (15) Tents, Vans, Sheds and similar structures used as dwelling houses.
- (16) Street Ambulance.
- (17) National Rat Campaign.
- (18) Bi-weekly collection of House Refuse and provision of Ash-bins.

RE CINEMAS AND PICTURE PALACES.

The special arrangements made under your Authority for the regular disinfecting of these premises by the Public Disinfector once a fortnight has been continued throughout the year, and the cost of his time and materials has been defrayed by the Proprietors.

Inspections have also been made of these premises with regard to the provision for Sanitary Conveniences, Lighting and Ventilation, and reports submitted to the Finance Committee when the renewal of licences was under consideration.

SMOKE NUISANCES.

	No. 1	No. 2	No. 3	No. 4	Total.
General Inspections ...	1	1	—	—	2
Smoke Observations ...	1	1	—	—	2

Particular observations were made of a certain laundry, and a report was submitted to your Health Committee thereon.

THE FACTORY AND WORKSHOPS ACT,
1901-1907.

The total number of workshops and work-places now registered in the Borough is 852, an increase of 12 on that of last year.

During the year 63 new workshops have been registered, 74 workrooms have been measured, and 76 cards, re cubic space, etc., have been supplied to the occupiers.

In all cases where nuisances have been found, notices have been given to the owner or occupier of the premises to remedy the defects, and it is very satisfactory to report that in every instance the nuisance has been abated without resort to legal action.

During the year 1,835 inspections, including Bakehouses and Restaurants, have been made, and Notices have been served.

The Occupation Cards have been revised, and are brought up-to-date.

The following is the list of workshops on the Register at the end of the year, classified according to trade, and showing the number of rooms occupied:—

Trade.	Premises Registered	Rooms Occupied.
Bakehouses	75	87
Kitchens of Restaurants, &c. ...	51	51
Dressmakers and Milliners ...	172	217
Tailors	96	118
Bootmakers and Saddlers... ..	104	115
Laundries	49	98
Carpenters and Builders	68	72
Cabinetmakers and Upholsterers ...	44	66
Coachbuilders	24	38
Watchmakers and Jewellers	18	20
Metal Workers	37	52
Cycle Builders and Motor Works ...	48	60
Miscellaneous	66	102
	<hr/> 852	<hr/> 1096

BAKEHOUSES.

Of the 75 bakehouses occupied in the Borough, three are occupied as underground bakehouses, and the remainder are on, or above, the ground level.

The underground bakehouses are certified by your Authority to be suitable (as regards light, ventilation, construction etc.) for use as bakehouses.

During the year four bakehouses have been added to, and three deleted from the Register.

The whole of the Bakehouses in the Borough have been cleaned or limewashed twice during the year, in accordance with the requirements of the Act. One hundred and eighty-seven visits have been made to these premises during the year.

KITCHENS OF RESTAURANTS, ETC.

These premises, fifty-one in number, have been inspected, and special attention has been given to the cleanliness of the larders, tables and cooking utensils, and these have been found to be satisfactory.

HOMEWORK.

During the year 74 lists containing the addresses of 154 "Outworkers" have been received.

Fifteen of these were residing outside the Borough, and the usual particulars were sent to the Authorities of the Districts in which the work was done.

Seven addresses were received from outside Authorities.

One hundred and thirty-nine visits were made to Outworkers' premises, and in no instance was it found necessary to serve a notice for the abatement of nuisance.

Two employers of Outworkers failed to send in their list of Outworkers at the specified time. A letter of warning was sent, and the requirement was subsequently complied with.

REGISTRIES FOR FEMALE AND
DOMESTIC SERVANTS.

The number of premises on the Register at the end of the year was 27, an increase of six on that of last year.

Forty-nine surprise visits have been made from time to time to the premises, for the purpose of enforcing the provision of the Bye-Laws relating thereto.

SHOPS ACT, 1912

The total number of shops on the Register at the end of the year is 2,089, an increase of 140 on that of last year.

During the year 3,109 visits have been made to shops in the Borough under the Act.

In 49 cases the Exempted Trade Notice under the second Schedule, in 75 cases the Assistants' Weekly Half-Holiday Notice under Sect. I, and in 63 cases the Young Persons Notice under Sect. II. were not found to be affixed as required by the Act.

In all cases a verbal warning was sufficient, the requirements being subsequently complied with

Sixty-four Warning Notices re Sale of Celluloid Articles were delivered.

Fifty-two special inspections have been made with regard to the sale of non-exempted goods on the half-day of closing.

Ninety special inspections have been made with regard to the new order of the Shops (Early Closing) Act, 1920.

In sixteen cases proceedings were taken under the above Order, and convictions obtained, with a fine including costs in each case. (Two cases fined £1 each, two cases fined 10s. each, ten cases fined 5s. each, and two cases fined 2s. 6d. each.)

Each new shop opened in the Borough during the past year has been supplied with a copy of the Extracts of the Shops Act.

One hundred and eighty-four shops have been visited with regard to the employment of young persons, and in no case was a young person found working beyond the prescribed hours.

SUMMARY OF SHOPS ON REGISTER.

31st December, 1923.

BUSINESS.	Number of Shops on Register.	EARLY CLOSING DAY.						No. which do not close.
		Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	
Grocery & Provision Dealers	250	7	6	222	10	—	5	—
Greengrocers, Fruiterers and Florists	121	5	—	103	5	—	3	5
Bootsellers and Repairers ...	142	—	2	119	4	—	17	—
Tailors and Outfitters ...	97	—	—	75	—	—	22	—
Butchers	106	7	—	89	—	—	10	—
Drapers, Milliners and Dress- makers	149	1	3	103	3	—	39	—
Furniture Dealers	101	—	4	68	1	—	28	—
Toys, Newspapers, Tobacco and Sweet Dealers ...	102	4	8	60	5	—	—	25
Bakers	75	3	—	62	—	—	—	10
Dairies	41	—	—	35	—	—	—	6
Motor and Cycle Dealers ...	91	—	—	62	—	—	16	13
Fish and Poultry Dealers ...	52	2	—	36	—	—	—	14
Jewellers and Watchmakers...	56	—	—	41	—	—	15	—
Refreshment Dealers ...	41	1	—	9	2	—	—	29
Sweets and Confectionery ...	91	3	5	43	1	—	—	39
Photographers	30	2	—	16	—	—	12	—
Chemists	56	—	—	51	—	—	5	—
Hairdressers	68	—	—	60	—	—	8	—
Fancy Dealers	52	—	—	38	—	—	14	—
Saddlers and Trunkmakers...	22	—	—	17	—	—	5	—
Booksellers and Stationers...	60	—	2	48	—	—	10	—
Ironmongers	50	—	—	36	—	—	14	—
Coal and Corn Dealers ...	34	—	—	23	—	—	11	—
Wardrobe Dealers	26	—	2	23	1	—	—	—
Glass and China Dealers ...	19	—	—	17	—	—	2	—
Off License Houses	42	3	2	24	—	—	5	8
Miscellaneous	115	—	—	57	—	—	58	—
Number of Shops on Register	2089	38	34	1537	32	—	299	149
Empty Shops in Borough ...	37							
Total No. Shops in Borough	2126							

DAIRIES, COWSHEDS AND MILKSHOPS ORDERS.

To enforce the regulations relating to cleanliness, limewashing and general sanitation, four hundred and forty-three inspections have been made of cowsheds, dairies and milk purveyors' premises in the Borough.

Visits to Dairies ...	... 210
Visits to Milkshops ...	241
Visits to Cowsheds ...	31
	482

The half-yearly limewashing of premises was in every instance carried out after notice had been given by your Inspector. There are now only four cowsheds in the Borough.

MILK AND DAIRIES (Amendment) ACT, 1922.

Extract from Registers on 31st December, 1923.

No. of producers (residing outside the Borough) who have been registered to sell by retail in the Borough	5
No. of producers (residing in the Borough) who have been registered both as producers and as retailers	3
No. of producers (residing in the Borough) who have been registered to sell by wholesale only	2
No. of shop proprietors, etc., who have been registered as retail purveyors of milk ...	104

Milk (Special Designations) Orders, 1922.

On the 31st December, 1923, there were in the Borough nine premises licensed for the sale of graded milk which in each instance was obtained from licensed producers of "Certified" Milk.

GENERAL INSPECTION OF FOOD SUPPLIES.

During the year, 5,099 visits have been made to shops in the Borough for the inspection of Meat and Food Supplies, and with regard to the cleanliness of the premises and stores.

Periodical and regular inspections of the Meat Supplies form an important part of the Food Inspector's duties, and the appended tables show how essential these inspections are.

By arrangement with the retail traders, early morning inspections of meat are made before the meat is "weighed in" by the butchers, in all cases where the carcasses have been slaughtered outside the Borough.

Members of the Master Butchers' Association have rendered great assistance to this Department in calling attention to diseased or doubtful carcasses, and it is now customary for the butcher to obtain the Inspector's opinion of a doubtful carcase before the purchase is completed.

The following quantities of meat and other foods were destroyed as being diseased or unsound and unfit for consumption:—

Butchers' Meat (diseased)	...	...	2,319 lbs.
Butchers' Meat (unsound)	...	...	7,412 „
Fish	...	...	1,953 „
Fruit	...	...	4,602 „
Vegetables ..	...	...	3,888 „
Eggs (liquid)	...	...	298 „
Tinned Goods	...	...	316

The following is a classified summary of the Food Purveyors' premises visited by the Food Inspector:—

Butchers' Premises	...	...	...	3,168 visits
Fishmongers' and Poulterers'	...	...	...	936 „
Greengrocers'	...	...	...	420 „
Grocers'	...	...	...	258 „
Ice Cream Vendors' Premises	...	...	...	61 „
Hawkers' Carts	...	...	...	256 „
				<hr/>
				5,099 „
				<hr/>

SLAUGHTERHOUSES.

There are six slaughterhouses in the Borough, at each of which the Regulations as to periodical limewashing, cleansing, etc., have been carried out. Five hundred and eighty inspections have been made of these premises during the year, particular attention being paid to the slaughtering of pigs.

It is satisfactory to report that in this Borough the Master Butchers insist on their employees taking all reasonable precautions to secure the humane slaughter of animals and using proper and suitable instruments for this purpose.

The number of animals slaughtered during the year is as follows:—

Beasts	...	...	656
Sheep	...	...	6871
Calves	...	...	2083
Pigs	...	...	1764
			<hr/>
			11374
			<hr/>

Strict inspections clearly prove that it is essential, both in the interests of the Public Health and the Pig Trade generally, to examine carefully all carcasses before exposing them for sale.

THE FERTILISERS AND FEEDING STUFFS ACT.

No samples have been submitted during the year.

PRIVATE SCHOOLS.

The total number of Private Schools in the Borough is 59, comprising 239 classrooms, and the average number of scholars in attendance at these schools is 2,149.

The sanitary arrangements of the larger private Schools have been examined, and the drainage tested at the end of each term, and reports as to repairs, cleansing, etc., made to the Principals.

This periodical examination has proved to be a precautionary measure where the number of boarders necessitates large households being maintained.

PUBLIC SCHOOLS.

The sanitary conveniences of the public Elementary Schools have also received systematic attention from the Drain-Testers who are responsible for the daily cleansing and disinfection of all the fittings, etc. The conveniences are thus maintained scrupulously clean, and the scholars are induced to make proper use of them.

WART DISEASE IN POTATOES.

No cases of Wart Disease were reported during the year.

RAG AND FLOCK ACT REGULATIONS.

Inspections have been made of the premises where flock is used for manufacture of bedding, upholstering, etc.

HOUSING CONDITIONS.

Statistics.

Year ended 31st December, 1923.

I.—GENERAL.

(1) Census population	...	...	...	...	95,600
(2) General death-rate	...	...	...	...	13.62

(3) Death-rate from tuberculosis	...	...	...	1.13
(4) Infantile mortality	...	...	...	59.81
(5) No. of dwelling-houses of all classes (1921—17,540)	...	...	...	18,314
(6) No. of working-class dwelling-houses	...	approx.	...	8,200
(7) No. of new working-class houses erected	...	...	...	196

II.—UNFIT DWELLING-HOUSES.

I.—Inspection.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	...	...	1,225
(2) No. of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	...	...	...	Nil
(3) No. of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	Nil
(4) No. of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation...	...	...	...	Nil

II.—Remedy of Defects without service of Formal Notices.

No. of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	283
--	-----	-----	-----	-----	-----

III.—Action under Statutory Powers.

(A) Proceedings under Section 28 of the Housing, Town Planning, etc., Act, 1919.

(1) No. of dwelling-houses in respect of which notices were served requiring repairs	...	...	...	7
(2) No. of dwelling-houses which were rendered fit				
(a) by owners	...	...	...	7
(b) by Local Authority in default of owners	...	...	...	—
(3) No. of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close	...	...	...	Nil

(B) Proceedings under Public Health Acts.

(1) No. of dwelling-houses in respect of which notices were served requiring defects to be remedied	...	...	...	182
(2) No. of dwelling-houses in which defects were remedied				
(a) by owners	...	...	...	182
(b) by Local Authority in default of owners	...	...	...	Nil

(C) Proceedings under Section 17 and 18 of the Housing, Town Planning, etc., Act, 1909.

(1) No. of representations made with a view to the making of Closing Orders	...	...	...	...	—
(2) No. of dwelling-houses in respect of which Closing Orders were made	...	...	...	...	—
(3) No. of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit	...	...	...	...	—
(4) No. of dwelling-houses in respect of which Demolition Orders were made	...	...	...	...	—
(5) No. of dwelling-houses demolished in pursuance of Demolition Orders	...	...	...	...	—

III. UNHEALTHY AREAS.

Areas represented to the Local Authority with a view to Improvement Schemes under (a) Part I, or (b) Part II. of the Act of 1890.

(1) Name of area	...	...	...	...	Nil
(2) Acreage	...	...	...	...	Nil
(3) No. of working-class houses in area	...	...	...	...	Nil
(4) No. of working-class persons to be displaced	...	...	...	...	Nil

4.—No. of houses not complying with the building bye-laws erected with consent of Local Authority under Section 25 of the Housing, Town Planning, &c., Act, 1919 Nil

5.—Staff engaged on housing work with, briefly, the duties of each officer :

General supervision of Buildings, Contracts, etc.	...	...	Borough Engineer & Architect
Plans and designs	...	...	Deputy Borough Architect
Selection and supervision of tenants...	...	...	Chief Sanitary Inspector

DISTRICT SANITARY INSPECTORS' SUMMARY OF WORKS.

1.—NUISANCES.

	District No. 1.	District No. 2.	District No. 3.	District No. 4.	Total.
Complaints received and attended to	179	124	141	210	654
Number of Tests made for detection of nuisances	2	2	34	2	40
Visits <i>re</i> abatement of nuisances ...	500	164	322	470	1456
General Inspections of Districts ...	2	14	36	24	76
Premises inspected	16	78	141	210	445
Number of Nuisances detected ...	93	84	98	163	438
Number of Nuisances abated ...	107	83	117	121	428
Nuisances outstanding Dec., 1922 ...	7	2	4	12	25
Ditto 1923	13	3	5	17	38
Complaints attended to <i>re</i> Cesspools	—	165	—	—	165
Piggeries Visited	54	133	5	56	248

2.—INFECTIOUS DISEASE.

Enquiries made for Reports to M.O.H.	83	49	32	41	205
Premises tested	—	—	—	—	0
„ not tested	83	49	32	41	205
„ with defects ascertained ...	3	—	2	—	5
Nuisances detected	4	12	2	11	29
„ abated	5	7	1	11	24
Nuisances outstanding	—	5	1	—	6
Total No. of Visits	131	78	41	65	315
School notices sent	119	77	13	24	233

3.—DISINFECTION.

No. of rooms after notifiable disease	111	86	53	37	287
Total No. of books disinfected ...	21	3	32	7	63
No. of rooms after Phthisis ...	146	43	47	56	292
No. of rooms after non-notifiable disease	69	28	84	128	309
No. of verminous rooms disinfected	—	—	18	25	43
Places of entertainment	89	24	—	—	113

4.—NEW BUILDINGS.

Water tests	450	478	46	127	1101
Number of re-tests	53	46	2	7	108
Smoke tests	240	331	17	69	657
Number of re-tests	11	4	4	5	24
Total visits	731	1071	79	208	2139
Number of reports made to B. I. <i>re</i> details of defects ascertained ...	69	55	7	11	142

5.—PRIVATE INSPECTIONS.

Premises Inspected and Tested	...	45	20	98	38	201
Subsequent Water Tests	...	36	16	31	4	87
„ Smoke „	...	31	11	35	4	81
Visits <i>re</i> Supervision of Works	...	279	42	373	280	974
Total Visits	...	385	104	533	322	1344
Reports outstanding December 31st,						
1923	...	...	...	—	3	16
					4	23

SUMMARY OF DISINFECTION AT SANITARY HOSPITAL.

6.—NOTIFIABLE DISEASE.

No. of Articles removed from Dwellings	...	...	...	711
„ „ Disinfected at Hospital	...	...	...	6533
„ Wards „ „ „	...	...	...	159
„ Times Drains flushed at Hospital	...	...	...	115
Special Visits by Inspector	...	...	...	55

7.—NON-NOTIFIABLE DISEASE.

No. of Articles Disinfected after Phthisis	...	...	...	1081
„ „ „ „ other non-notifiable Diseases	...	...	...	2141
Special Visits by Inspectors	...	...	...	226
No. of Verminous Articles disinfected	...	...	...	340
No. of Verminous Articles and other Articles destroyed	...	...	...	442

8.—MISCELLANEOUS.

	No. 1	No. 2	District No. 3	No. 4	Total
Enquiries <i>re</i> Housing Scheme applications	...	...	...	...	...
House-to-house Inspections (visits)	78	150	66	201	495
Visits to Schools	51	29	345	1943	2368
Visits to Kitchens	31	7	—	—	38
Visits to Kitchens	8	2	27	7	44
Visits to Bakehouses	59	51	67	68	245
Visits to Butchers (independent of Food Inspector's visits)	...	...	...	...	...
Visits to Butchers (independent of Food Inspector's visits)	37	10	36	20	103
Visits to places of entertainment (renewal of licences, etc.)	...	...	...	...	...
Visits to places of entertainment (renewal of licences, etc.)	15	4	27	1	47

9.—EXTRAORDINARY DUTIES.

- 1.—Ponds were sprayed on 9 occasions with a paraffin preparation for the eradication of insect pests during the summer months.
- 2.—65 Pigkeepers have been circularised with copies of Movement of Swine Order, 1922.
- 3.—26 visits were made to Tents, Vans, Sheds and similar structures used as dwellinghouses.

COMMON LODGING HOUSES.

There are only two registered Common Lodging-houses in the Borough. The general supervision of common lodging-houses is under the control of the Police.

FRIED FISH SHOPS.

There are now 15 of these shops in the Borough, and from time to time inspections have been made as to the cleanliness of the premises, soundness of fish supplies, and ingredients used in the trade.

BATHING STATION.

There has been a marked decline in the number of persons receiving treatment for Scabies, etc., no baths having been administered during the year 1923.

REPORTS ON INFECTIOUS CASES.
(Include Observation Cases.)

		District				Total.
		No. 1.	No. 2.	No. 3.	No. 4.	
Scarlet Fever	...	52	30	22	16	120
Diphtheria	...	20	14	7	14	55
Cerebro-Spinal Meningitis	...	—	—	—	—	0
Erysipelas	...	6	3	1	6	16
Chickenpox	...	—	—	—	—	—
Typhoid	...	—	2	—	—	2
Enteric	...	1	—	1	—	2
		79	49	31	36	195

Houses with defects ascertained	...	11	4	—	3	18
---------------------------------	-----	----	---	---	---	----

During the year, 195 Reports (see above table) have been made to the Medical Officer of Health upon notified and suspected Infectious Cases. The sanitary arrangements and drainage of the premises

occupied by the patients have been examined and tested, and 12 Preliminary Notices have been served on the owners or occupiers of these premises calling upon them to abate the nuisances ascertained. These notices have been satisfactorily complied with.

CESSPOOL DRAINAGE.

WINTON AND MOORDOWN DISTRICT.

No. of Cesspools emptied	...	...	193
No. of loads of sewage removed	...	...	511
No. of cesspools condemned and filled in	...	...	5

There are now only 25 houses with cesspool drainage and 18 with the pail-closet system, and these are situated principally in the outlying parts of Moordown, Charminster, Castle Lane, Ensbury Park, Victoria Park, and in roads that cannot at present be sewered owing to the existing level of sewers.

POKESDOWN DISTRICT.

No. of cesspools emptied	...	...	27
No. of loads of sewage removed	...	...	110
No. of cesspools filled in	...	...	Nil

There are now 21 houses with cesspool drainage and 12 with pail-closet system in the districts of Tuckton and Wick.

PIGGERIES.

WINTON AND MOORDOWN DISTRICT.

No. of Piggeries	...	...	15
No. of pigs kept at last inspection (approx.)	...	...	56
No. of visits to Piggeries	...	...	25
No. of complaints received and nuisances abated	...	...	9
No. of Piggeries removed during the year	...	...	11

All the 15 piggeries in this district are kept in accordance with the By-Laws, and 125 under the temporary Regulations of 1917 ceased to exist on the 31st day of March, 1923.

POKESDOWN DISTRICT.

No. of Piggeries	...	...	...	10
No. of pigs kept at last inspection (approx.)	...	...	...	245
No. of visits to Piggeries	...	...	...	38
No. of complaints received and nuisances abated	...	...	...	Nil

All the piggeries in this district are kept in accordance with the By-Laws.

PUBLIC MORTUARY.

From 1st January to the 31st December, 1923, the total number of Inquests held was 87, and that of Post Mortems was 50.

The working expenses, so far as this Department is concerned, for the year are as follows:—

	£	s.	d.
1. Proportion of Attendants' wages for cleansing	32	6	1
2. Attendance at Inquests and Post Mortems	7	13	10
3. Gas from December, 1922, to December, 1923, including upkeep of burners	2	8	0
4. Disinfectants, Soap, Laundry, Gloves, etc.	3	11	0
	<hr/> £45 18 11 <hr/>		

CERTIFIED CAUSES OF DEATH.

Aorta, Aneurism of	...	...	...	1
Aorta, Disease of	...	...	...	5
Broken Neck	...	...	...	1
Bright's Disease	...	...	...	1
Convulsions	...	...	...	1
Coal-gas Poisoning	...	...	...	7
Congestion of the Lungs	...	...	...	2
Cut-Throat	...	...	...	4
Drowning	...	...	...	1
Fractured Base of Skull	...	...	...	11
Fractured Thigh	...	...	...	2
Fractured Spine	...	...	...	2
Hæmorrhage Cerebral	...	...	...	5
Hæmorrhage Internal	...	...	...	1
Heart—				
Pericarditis	...	...	...	3
Valvular Disease	...	...	...	5
Fatty Degeneration	...	...	...	7
Rupture	...	...	...	1
Cordiac Failure	...	...	...	1
Arterial Scherosis	...	...	...	2
Malformation	...	...	...	1
Hyperhydria	...	...	...	1
Inattention after Birth	...	...	...	2
Lockjaw	...	...	...	1
Meningitis	...	...	...	1
Norasmus	...	...	...	1
Peritonitis	...	...	...	1
Pneumonia	...	...	...	3
Poisoning	...	...	...	2
Ruptured Stomach	...	...	...	2
Shock and Burns	...	...	...	6
Strangulation	...	...	...	1
Suffocation	...	...	...	1
Syncope	...	...	...	1
Total				87

HOTEL SANITARY CONVENIENCES.

The arrangements for the daily cleansing by the drain-testers of the public Conveniences at Hotels and Public Houses continue to work satisfactorily.

CORPORATION PUBLIC CONVENIENCES.

Expenses in connection with the Public Conveniences from December, 1922, to December, 1923, are as under:—

	£	s.	d.
Repairs to Conveniences ...	142	18	11
Wages paid to attendants, etc. ...	2148	0	3½
Gas and Water, and Hire of Meters and Automatic Controllers ...	390	0	7½
Materials (disinfectants, soap, brushes, laundry, works, etc. ...)	166	14	3
Total Expenditure ...	2847	14	1
By Total Receipts ...	3903	11	5
To Total Expenditure ...	2847	14	1
Balance, being excess of Receipts over Expenditure ...	1055	17	4

Note.—The above expenses represent only the charges against Revenue.

WATER METERS.

Meter Readings of the consumption of water supplied by the Bournemouth Gas and Water Co. and the West Hants Water Co. to your Authority are taken every month (142 meters) and a comparative statement submitted each month to the Finance, etc., Committee.

The readings of the meters, 32 in number, at the Schools are taken fortnightly and a comparative statement submitted to the Education Authority.

Wherever a large increase is detected an inspection of the water fittings is always made and a report thereon submitted to the Committee.

Hereunder is a comparative statement of the consumption of water supplied by the Companies to your Authority for the years 1922 and 1923.

Situation of Meter.			Consumption in 1922.	Consumption in 1923.
Cabstand, St. Swithun's Road	...	...	26,700	17,000
„ Waverley Road	...	...	500	500
Fire Station, Holdenhurst Road...	...	...	65,400	60,600
Cabstand, Meyrick Road	...	...	14,500	6,600
„ Madeira Road	...	...	5,600	3,600
West Gardens Tennis Court	...	...	24,500	21,300
West Yard	...	...	109,400	120,200
Wharf Road Depot	...	...	54,200	59,600
Drinking Trough, Chine Road	..	..	34,200	30,600
Cabstand, Durley Road	..	...	12,000	2,300
„ West Cliff Road	..	...	8,000	9,100
„ West Cliff Gardens	..	..	14,900	13,200
„ Exeter Road	..	...	1,300	1,600
West Fire Station	..	...	21,400	15,600
Mess Room, Westover Gardens	..	..	28,900	28,100
Engine House, Pleasure Gardens	...	..	568,700	501,000
Lansdowne Drinking Trough	...	...	39,300	47,700
Cemetery, Wimborne Road	..	..	110,900	149,800
Refuse Destructor	...	...	476,600	462,400
Alum Chine Cliff Gardens	...	..	19,500	22,300
Cabstand, Derby Road...	...	..	300	500
Knyveton Road	...	...	700	1,300
Boscombe Gardens, Lawn Tennis	..	...	20,400	25,400
East Yard	..	...	585,000	608,300
Cabstand, Spa Road	..	..	1,900	8,200
„ Adeline Road	..	...	7,600	10,000
Boscombe Depot	...	..	109,000	83,500
King's Park	..	...	455,700	563,700
East Cemetery	...	..	79,000	103,000

Situation of Meter.	Consumption in 1922.	Consumption in 1923.
Sanitary Hospital	1,072,300	1,027,500
Parkwood Road	46,700	61,800
Queensland Road	13,200	11,100
Rosebery Road	15,400	17,700
Clarence Park Road	13,100	11,100
Clifton Road	94,400	59,800
Stourwood Road	9,700	11,000
Drinking Trough, Parkwood Road	22,200	19,900
Boscombe Cliff Gardens	42,200	54,600
Cabstand, Wharnclyff Road	12,300	9,000
Car Sheds, Southcote Road	201,300	207,200
Mess Room, Sontheote Road	153,000	123,600
Boiler House, Generating Station	161,000	586,000
Knyveton Gardens	29,100	54,500
Winton Depot	176,800	151,700
Meyrick Park Pavilion and Workshop	81,200	82,500
Cabstand, Bourne Avenue Road... ..	—	—
Gervis Road Drinking Trough	16,100	14,000
Christchurch Road Dépôt	72,400	79,500
Bowling Green, Meyrick Park	43,000	29,400
West Refreshment Rooms	787,00	84,100
East Refreshment Rooms	114,000	122,700
The Square, for watering Tramlines	5,600	5,800
Queen's Park Caddies' Shelter	13,000	20,200
Pokesdown Car Sheds	90,000	30,200
Moordown Car Sheds	73,000	95,900
Queen's Park Golf Pavilion	209,800	160,100
Queen's Park Golf Links	114,100	187,500
Winton Recreation Grounds	125,900	99,800
Boscombe Refreshment Rooms	47,500	44,700
Argyll Gardens	90,700	87,200
Fountain, East Beach	14,800	24,600
Fountain, West Beach.. ..	13,100	14,700
Convenience, West Beach	619,300	725,500
Convenience, East Beach	694,700	699,300
Urinal, East Cliff	57,400	46,200
Queen's Park Rifle Range	2,800	1,700
Nursery, King's Park	7,800	20,200
Alum Chine Refreshment Rooms	31,100	41,200
Durley Chine Refreshment Rooms	57,000	52,500
Winton Recreation Pavilion	16,200	20,600
Fountain, Cliff Path, Pokesdown	92,300	72,200
Drinking Fountain, Grand Avenue	13,500	23,500
Durley Chine Drinking Post	20,000	21,500
King's Park Bowling Green	63,200	86,500
Pokesdown Fire Station	38,900	38,000
Portman Crescent Cabstand	5,100	6,600
Newstead Road Flushing Tank.. ..	60,400	19,000
Mess Room, Undercliff Drive	19,100	13,500
Bowling Green, Southbourne	6,100	48,400
Law Courts, Stafford Road	41,000	39,100
Undercliff Drive	39,800	27,000
Middle Chine Drinking Post	9,000	10,100
Gervis Road Chair Stand	5,000	3,900
The Rookery Stables	15,100	19,100
St. John's Road Chair Stand	2,200	2,500
King's Park Mess Room	3,300	4,200
Tachbrook	32,000	52,400
Convenience, Undercliff Road	79,900	118,100

					Consumption in 1922.	Consumption in 1923.
Borough Dispensary .. ..	..	..	..	..	1,200	2,600
Westbourne Convenience .. ..	..	..	..	..	74,800	84,700
Triangle Convenience ... ..	..	..	..	..	117,300	96,600
Ladies' Lavatory, Exeter Lane ..	..	..	..	..	336,400	401,800
Winter Gardens ... ..	..	..	..	..	690,500	732,900
Urinals, facing the Pier .. ..	..	..	..	..	678,300	759,300
Bournemouth Pier .. ..	..	..	..	..	405,700	327,900
" " (Special) .. ..	..	..	..	..	63,000	104,000
Westover Road Conveniences ..	..	..	..	..	465,500	530,700
Firs Glen Conveniences .. ..	..	..	..	..	108,700	118,800
Lansdowne Convenience .. ..	..	..	..	..	377,100	336,300
Boscombe Gardens' Conveniences	..	..	..	..	112,400	168,600
Carnarvon Crescent .. ..	..	..	..	..	111,900	77,700
Poole Hill Conveniences .. ..	..	..	..	..	108,400	46,600
Durley Chine Conveniences .. ..	..	..	..	..	40,500	28,300
Alum Chine Conveniences .. ..	..	..	..	..	265,000	210,900
Boscombe Pier .. ..	..	..	..	..	266,500	90,200
Lavatories near Cemetery .. ..	..	..	..	..	92,500	98,900
Seabourne Road Conveniences ...	..	..	..	..	106,600	101,500
Durley Road Conveniences .. ..	..	..	..	..	10,900	40,800
East Cliff Convenience .. ..	..	..	..	..	107,100	99,000
Fisherman's Walk Conveniences ..	..	..	..	..	150,600	145,800
Holdenhurst Road Convenience ..	..	..	..	..	57,600	82,800
Alma Road Conveniences .. ..	..	..	..	..	49,400	63,500
Boscombe Lawn Tennis .. ..	..	..	..	..	77,100	102,200
Charminster Road Conveniences ..	..	..	..	..	104,000	97,600
Palmerston Road Conveniences ..	..	..	..	..	355,300	39,200
Fisherman's Walk Gardens .. ..	..	..	..	..	136,100	119,300
Avenue Road Convenience .. ..	..	..	..	..	312,700	456,200
Richmond Hill Convenience .. ..	..	..	..	..	98,400	79,700
Lansdowne Ladies' Lavatory .. ..	..	..	..	..	148,400	161,000
Golf Clubs, and Caddies' Shelter ...	..	..	..	..	95,800	141,800
Town Hall ... ..	..	..	..	..	528,000	451,000
East Beach Fountains and Convenience ...	..	..	..	..	111,300	104,100
Bathing Station, West Beach ... ..	..	..	..	..	1,100	2,100
Maxwell Road Clinic .. ..	..	..	..	..	1,800	3,900
Knyveton Gardens, Bowling Green ..	..	..	..	..	63,900	55,400
East Cliff Hall ... ..	..	..	..	..	130,700	186,000
Cricket Pavilion, Meyrick Park... ..	..	..	..	..	54,000	77,400
West Cliff Buffet .. ..	..	..	..	..	15,000	17,600
Total ..					15,229,900	15,623,900

STATEMENT OF ACCOUNTS.

Sanitary Inspections	...	...	...	180	6	6
Maintenance of Patients	...	...	...	1123	2	4
Disinfection of rooms, bedding and Clothing after Non-Notifiable Dis- ease, including Transport	...	...	...	262	9	11
Cleansing of Sanitary Conveniences, etc., Hotels	...	...	...	20	16	0
Ditto. Public Elementary Schools	...	...	...	104	0	0
Cleansing Cab-Shelters	...	...	...	26	0	0
Cesspools emptied	...	...	...	109	10	0
Disinfecting Cinemas	...	...	...	10	10	0
Cleansing and Flushing Drains, etc.	...	...	...	1	10	6
Checking Meters at Elementary Schools	...	...	...	14	0	0
Checking Meters at Royal National Sanatorium	...	...	...	1	1	0
Disinfectants supplied	...	...	...	1	13	6
Hire of Ambulance	...	...	...	4	4	0
Cleansing passages and right-of-ways	...	...	...	17	7	0
Drainage work, etc.	...	...	...	11	14	8
Ratcatching Accounts	...	...	...	102	15	6
Removal of Refuse	...	...	...	3	6	2

SALE OF FOOD AND DRUGS ACTS, 1875-1907.

Inspector : Mr. W. D. CARTER.

During the year, 400 samples of Food and Drugs were obtained, of which number 294 samples were purchased formally or "taken" in accordance with the provisions of the Acts and 106 samples were purchased informally and submitted as "Test" samples to the Analyst.

Of the 400 samples,

327 or 81.75 per cent. were reported genuine.

49 or 12.25 per cent. were poor or doubtful in quality.

24 or 6.00 per cent. were adulterated, or in some way deficient.

	Adulterated, per cent.	Poor or doubtful, per cent.
Official	... 6.80	12.58
Unofficial	... 3.77	11.32

Tables showing the various articles analysed during the year, with the results of the analyses, will be found in the Public Analyst's Report, Tables II. and III.

MILK.

One hundred and twenty-two samples of Milk were officially purchased or taken and submitted to the Public Analyst, who reported adversely upon thirty-six of the samples.

Of the adulterated samples nine were deficient in milk fat and three contained added water, etc.

Fifty-six samples were submitted to the "Gerber Test" by your Inspector; the whole of the samples were taken from consignments of milk in course of delivery to dairy men in the town. Seven of these samples were of poor or doubtful quality and three were adulterated.

For the detection of the poorer supplies, and subsequent administration regarding them, these examinations are of increasing utility.

BUTTER.

Twenty-eight formal samples and three informal samples of butter were purchased; none was adulterated.

DRUGS AND PRESCRIPTIONS.

Thirty-four samples of Drugs, including Cream of Tartar and Tartaric Acid, were sent for analysis.

The Public Analyst reported adversely upon the following informal samples:—

Article.	No.	Genuine.	Poor or Doubtful.	Adulterated.
Cream of Tartar	9	8	—	1
Tartaric Acid	9	9	—	—
Olive Oil	6	6	—	—
Seidlitz Powder	5	2	1	2
Gregory's Powder	5	4	1	—
	34	29	2	3

PRESERVATIVE AND COLOURING MATTER.

The following Table shows the number of articles which were reported by the Analyst to contain some preservative or colouring matter:—

OFFICIAL SAMPLES.		NO. CONTAINING PRESERVATIVE.		Remarks.
No. of samples analysed.	Article.	Preservative.	Colouring matter.	
4	Cheddar Cheese ..	1	—	0·08 per cent. Boric Acid
12	Jam	1	5	1·4 grains per lb. Salicylic Acid
27	Sponge Fingers ..	6	—	0·08 per cent. to 0·31 per cent. Boric Acid
28	Butter	22	—	0·05 per cent. to 0·37 per cent. Boric Acid
6	Cream	1	—	0·07 per cent. Boric Acid
1	Preserved Cream ..	1	—	0·12 per cent. Boric Acid
2	Pork Sausages ..	2	—	0·26 per cent. Boric Acid
15	Sausages	7	—	0·17 per cent. to 0·28 per cent. Boric Acid
2	Luncheon Sausages	1	—	merest trace Boric Acid
1	Margarine	1	—	0·31 per cent. Boric Acid
2	Lemon Squash ..	2	—	2·8 grains per lb. S.O.2
1	Concentrated Lemon	1	1	2·8 grains per lb. Salicylic Acid
2	Lime Juice Cordial	2	—	1·5 grains per lb. S.O.2
1	Lime Juice	1	—	2·4 grains per lb. S.O.2
1	Lemon Juice	1	—	2·82 grains per lb. S.O.2
1	Lemon Juice Syrup	1	1	1·44 grains per lb. S.O.2
106		51	7	

UNOFFICIAL SAMPLES.

4	Margarine	..	4	—	0·23 per cent. to 0·39 per cent. Boric Acid
2	Cream Cheese	..	1	—	0·12 per cent. Boric Acid
11	Green Peas	..	—	11	1·5 to 2·09 grns. per lb. Sulphate Copper
7	Sponge Cakes	..	1	—	0·14 per cent. Boric Acid
4	Lemon Squash	..	4	1	0·97 to 2·50 grains per pint S.O.2
1	Orange Squash	..	1	—	4·53 grains per pint S.O.2
1	Lime Juice	..	1	—	0·95 grains per pint S.O.2
2	Lime Juice Cordial	..	2	—	2·60 to 2·90 grains per pint S.O.2
7	Lemon Curd	..	3	7	1·75 grains per lb. Boric Acid
2	Lemon Cheese	..	2	2	1·26 to 1·25 grains per lb. Boric Acid
1	Sweet Lemon Cream	..	—	1	—
2	Raspberries	..	—	1	Aniline Colouring
6	Mincemeat	..	1	—	0·7 grains per lb. Salicylic Acid
<hr/> 50			<hr/> 20		<hr/> 23

LEGAL PROCEEDINGS.

During the year, five summonses were taken out and convictions followed in two cases. In all cases the proceedings were instituted in respect of samples reported against by the Analyst.

Sample No.	Article.	Nature and extent of Adulteration.	Result of Legal Proceedings.	Fine.	Costs.
33	Sponge Cakes.	0·23 per cent. Boric Acid ..	Case withdrawn on	—	£1/6/6 (incl. Analyst's fee)
41	do.	0·31 do. do.	payment of costs.	—	£1/6/6 do.
255	Milk	5·1 per cent. added water ..	Conviction	£1	Analyst's fee 21/-
256	do.	13 do. do.	do.	£1	do.
273	Cream of Tartar	40 parts of lead per million ..	Withdrawn	—	Warranty defence.

COUNTY BOROUGH OF BOURNEMOUTH.

PUBLIC HEALTH (MILK AND CREAM)
REGULATIONS, 1912.REPORT UPON ADMINISTRATIVE ACTION : YEAR ENDED
DECEMBER 31ST, 1923.1. *Milk and Cream not sold as Preserved Cream.*

Samples.	No. of samples examined for Preservatives.	No. in which a preservative was found.	Nature of Preservative.	No. in which a thickening sub- stance was found.
Milk	122	—	—	—
Cream	6	1	—	—
Separated Milk	5	—	—	—

2. *Cream sold as Preserved Cream.*

Total number of samples examined	...	...	1
(a) Number of examinations as to correctness of state- ments on label	...	...	1
Sterilized	...	...	0
(b) Determination made of Milk Fat above 35 per cent.			1
(c) Instances where (apart from analysis) the require- ments of the Regulations have not been observed... (<i>see above</i>)			
Thickening Substances	...	...	0

Samples Reported against by the Public Analyst ... Nil.

RATS & MICE (DESTRUCTION) ORDER ACT, 1919.

During the period under review, one organised campaign has been held and the particulars and results are as follows:—

CAMPAIGN No. 8.

1	No. of Rats caught	...	...	206
2	Applications from Householders, etc.	...	...	69
3	No. of Baits applied	...	...	2000
4	Visits by Ratcatcher	...	...	50
5	No. of Preliminary Enquiries made	...	...	46

Income.

£17 12s. 0d.

Expenditure.

£14 11s. 4½d.

GENERAL REMARKS.

1. The number of rats killed with dogs and ferrets during the year, including the number given above for the 8th Campaign, is 968. With the exception of one or two affected with mange, the rats caught were found to be in a clean, healthy condition.

2. No black rats were found.

3. The Parks, Chines, Cliffs, Pleasure Grounds, Allotments, Piggeries were systematically hunted during the Campaign.

4. The greatest number of rats were caught under fowl-houses, pig-stys, etc.

5. Vermin-proofing of premises on the lines suggested in my Annual Report for 1920, is the best protection against the activities of this destructive pest.

INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTION) ACT, 1920.

The action taken by this Department under Sect. 2 of the above Act is as follows:—

No. of Formal Applications	...	...	11
No. of Certificates issued	...	...	0
No. of Cases where no Certificates were issued	...	...	11
No. of visits and enquiries made by Staff	...	...	19

CORPORATION HOUSING SCHEME.

The Scheme for this town comprises 164 houses, of which 162 were built by contract for the Corporation and 2 given to the town by the Builders' Guild. Each house contains at least three bedrooms, parlour and offices (including bathroom), and the rent is inclusive except for the water rate.

The following is an analysis of the Scheme:—

Ministry Type.	Description.	Rent.	No. of Houses.		
			Southhill.	Carbery.	Total
B	Three-bedroomed houses in pairs	12/6	72	16	88
B4	Four-bedroomed houses in pairs	14/-	2	4	6
B	Three-bedroomed houses in blocks (4)	12/6	28	32	60
B4	Four-bedroomed houses (single)	15/6	1	3	4
B	Three-bedroomed houses (single)	14/-	5	1	6
			<hr/> 108	<hr/> 56	<hr/> 164
			<hr/>	<hr/>	<hr/>

DISTRIBUTION OF HOUSES.

Southhill Estate:

Brassey Road	...	...	29
Ripon Road	...	...	36
Clifford Road	...	...	12
Castle Road	...	...	27
Wynyard Road	...	...	2
Builders' Guild	...	...	2
			— 108

Carbery Estate:

Cranleigh Road	...	...	33
Beaufort Road	...	...	4
Watcombe Road	...	...	2
Lingdale Road	...	...	17
			— 56
			— 164

DIVISION OF FOUR-BEDROOMED HOUSES.

Four such houses have been adapted so that each may accommodate two families. Two of these are on the Southhill and two on the Carbery Estate. The tenant of each part-house is responsible to the Corporation for one-half of the total rent for the house.

SUB-TENANCIES.

On receipt of a written application from the tenant, the Committee have granted permission to

sub-let to another family, provided that the sub-tenancy includes a sitting room, a bedroom (with a fireplace therein), joint use of scullery fittings, bathroom and W.C. The sub-tenant is liable for not more than half of the rent and water rate, which is paid direct to the superior tenant. At the end of December, 1923, there were fifty-one sub-tenancies recorded in the Register.

POULTRY KEEPING, ETC.

On receipt of a written application from the tenant or sub-tenant, the Committee has granted permission to keep poultry, provided that the number kept does not at any time exceed eight and that the height of the shed in which they are housed is not more than five feet.

At the end of December, 1923, there were 42 poultry runs on the Southill and 33 on the Carbery Estate.

SHEDS OTHER THAN POULTRY SHEDS.

Applications to erect cycle sheds, etc., were generally granted subject to any conditions imposed by the Buildings Committee, and a list of such applications was handed to that Department.

At the present time there are 13 such sheds on the Southill and 8 on the Carbery Estate.

GENERAL SUPERVISION.

During the year, 234 visits have been paid to the Corporation Housing Estates by this Department.

I beg to express my best thanks to the Chairman and Members of the Health Committee for

their careful consideration of all questions relating to the Department's work and welfare, and to the District Inspectors and Staff for the valued assistance which they have willingly given at all times.

I remain, Gentlemen,

Your Obedient Servant,

WM. GEO. COOPER,

Chief Sanitary Inspector.

COUNTY BOROUGH OF BOURNEMOUTH.

ANNUAL REPORT

OF THE

Public Analyst

For the Year ending 31st December, 1923.

TO THE MAYOR AND TOWN COUNCIL,
BOURNEMOUTH.

GENTLEMEN,

I beg to present my report upon the Samples of Food and Drugs submitted to me for analysis during the year 1923.

The total number of samples was 400, of which 294 were official, i.e., taken with the usual formalities of the Food and Drugs Acts, and 106 were unofficial.

The number of adulterated samples was 24 (6.0 per cent.), whilst the "poor or doubtful" samples were 49 (12.25 per cent.). Twenty (6.8 per cent.) of the adulterated samples were official and four (3.77 per cent.) unofficial or informal; of the "poor or doubtful" samples 37 (12.58 per cent.) were official and 12 (11.32 per cent.) unofficial.

Table 1 shows the comparison of these results with those of the previous ten years:—

Table I.

Year		Adulterated		Poor or Doubtful	
1913	official	6.33	„ „	10.33	„ „
„	unofficial	3.00	„ „	3.00	„ „
„	total	5.50	„ „	8.50	„ „
1914	official	5.71	„ „	14.70	„ „
„	unofficial	10.26	„ „	10.26	„ „
„	total	6.81	„ „	13.62	„ „
1915	official	12.75	„ „	13.40	„ „
„	unofficial	7.45	„ „	4.25	„ „
„	total	10.70	„ „	9.88	„ „
1916	official	14.6	„ „	19.6	„ „
„	unofficial	6.25	„ „	15.0	„ „
„	total	11.76	„ „	18.05	„ „
1917	official	14.9	„ „	11.8	„ „
„	unofficial	14.0	„ „	10.0	„ „
„	total	14.7	„ „	11.43	„ „
1918	official	13.80	„ „	21.30	„ „
„	unofficial	9.80	„ „	9.80	„ „
„	total	12.90	„ „	18.60	„ „
1919	official	11.2	„ „	16.4	„ „
„	unofficial	10.0	„ „	10.0	„ „
„	total	10.85	„ „	14.57	„ „
1920	official	7.54	„ „	9.71	„ „
„	unofficial	18.33	„ „	13.33	„ „
„	total	10.80	„ „	10.80	„ „
1921	official	3.06	„ „	9.18	„ „
„	unofficial	9.43	„ „	4.71	„ „
„	total	4.75	„ „	8.00	„ „
1922	official	7.33	„ „	12.00	„ „
„	unofficial	18.00	„ „	9.00	„ „
„	total	10.00	„ „	11.25	„ „
1923	official	6.80 per cent.		12.58 per cent.	
„	unofficial	3.77	„ „	11.32	„ „
„	total	6.00	„ „	12.25	„ „

Tables II. and IV. and III. and V. show in greater detail the results obtained with the official and unofficial samples respectively.

Table II.

Summary of Annual Report, 1923. Two hundred and ninety-four samples:—

Nature of Sample.				Examined.	Genuine.	Poor or Doubtful.	Coloured.	Containing Preservative	Adult'rated	Percentage adulterated
Milk	..	..	..	122	86	24	—	—	12	9.83
Separated Milk	..	..	..	5	5	—	—	—	—	—
Cream	..	..	..	6	4	1	—	1	1	16.66
Preserved Cream	..	..	..	1	1	—	—	1	—	—
Butter	..	..	..	28	28	—	—	22	—	—
Margarine	..	..	..	1	1	—	—	1	—	—
Gorgonzola Cheese	..	..	..	4	4	—	—	—	—	—
Cheddar Cheese	..	..	..	4	4	—	—	1	—	—
Jam	..	..	..	12	8	4	5	1	—	—
Malt Vinegar	..	..	..	12	12	—	—	—	—	—
Sponge Cakes	..	..	..	27	20	3	—	6	4	14.81
Self-raising Flour	..	..	..	18	17	1	—	—	—	—
Sausages	..	..	..	15	14	1	—	7	—	—
Luncheon Sausages	..	..	..	2	2	—	—	1	—	—
Liver Sausages	..	..	..	1	1	—	—	—	—	—
Pork Sausages	..	..	..	2	1	1	—	2	—	—
Lemon Squash	..	..	..	2	1	1	—	2	—	—
Concentrated Lemon	..	..	..	1	—	—	1	1	1	106.0
Lime Juice Cordial	..	..	..	2	2	—	—	2	—	—
Lime Juice	..	..	..	1	—	—	—	1	1	100.0
Lemon Juice	..	..	..	1	—	1	—	1	—	—
Lemon Juice Syrup	..	..	..	1	1	—	1	1	—	—
Bitter Beer	..	..	..	2	2	—	—	—	—	—
Old Beer	..	..	..	4	4	—	—	—	—	—
Stout	..	..	..	2	2	—	—	—	—	—
Cream of Tartar	..	..	..	9	8	—	—	—	1	11.11
Tartaric Acid	..	..	..	9	9	—	—	—	—	—
				294	237	37	7	51	20	6.80

Table III.

Summary of Annual Report, 1923. One hundred and six unofficial samples:—

Butter	..	..	..	3	3	—	—	—	—	—
Margarine	..	..	..	4	4	—	—	4	—	—
Pasteurised Cheese	..	..	..	1	1	—	—	—	—	—
Lactic Cheese	..	..	..	1	1	—	—	—	—	—
Cream Cheese	..	..	..	2	1	1	—	1	—	—
Camembert Cheese	..	..	..	1	1	—	—	—	—	—
Condensed Milk	..	..	..	2	2	—	—	1	—	—
Sterilised Evaporated Milk	..	..	..	2	2	—	—	—	—	—
Concentrated Milk	..	..	..	1	1	—	—	—	—	—
Green Peas	..	..	..	14	13	1	11	—	—	—
Cocoa	..	..	..	9	9	—	—	—	—	—
Nut Milk Chocolate	..	..	..	1	1	—	—	—	—	—
Sponge Cakes	..	..	..	7	6	—	—	1	1	14.22
Jam	..	..	..	1	1	—	—	—	—	—
Jelly	..	..	..	1	1	—	—	—	—	—
Beef Suet	..	..	..	1	1	—	—	—	—	—

Lemon Squash	..	..	4	3	1	1	4	—	—
Orange Squash	..	..	1	1	—	—	1	—	—
Lime Juice	..	..	1	1	—	—	1	—	—
Lime Juice Cordial	..	..	2	1	—	—	2	1	50.00
Lemon Curd	..	..	7	5	2	7	3	—	—
Lemon Cheese	..	..	2	1	1	2	2	—	—
Sweet Lemon Cheese	..	..	1	1	—	1	—	—	—
Mincemeat	..	..	6	6	—	—	1	—	—
Raspberries	..	..	2	2	—	1	—	—	—
Asparagus	..	..	1	1	—	—	—	—	—
Rice	..	..	6	2	4	—	—	—	—
Arrowroot	..	..	6	6	—	—	—	—	—
Olive Oil	..	..	6	6	—	—	—	—	—
Seidlitz Powder	..	..	5	2	1	—	—	2	40.00
Gregory's Powders	..	..	5	4	1	—	—	—	—
			106	90	12	23	20	4	3.77

Table IV.

Adulterated official samples:—

No.	Nature of Sample.	Nature of Adulteration.	Observations.
21	Milk ..	3.6 per cent. deficient in fat	
33	Sponge Cakes ..	0.23 per cent. Boric acid	Should contain no Boric acid. Quantity present was equivalent to 16.1 grains per pound.
34	Sponge Cakes ..	0.09 per cent. Boric acid	Equivalent to 6.3 grains per pound.
40	Sponge Cakes ..	0.08 per cent. Boric acid	Equivalent to 5.6 grains per pound.
41	Sponge Cakes ..	0.31 per cent. Boric acid	Equivalent to 21.7 grains per pound.
55	Milk ..	10.0 per cent. deficient in fat	
100	Milk ..	25.0 per cent. deficient in fat	
113	Cream ..	0.07 per cent. Boric acid	
133	Milk ..	8.0 per cent. deficient in fat	
134	Milk ..	10.6 per cent. deficient in fat	
135	Milk ..	3.0 per cent. deficient in fat	
136	Milk ..	4.3 per cent. deficient in fat	
137	Milk ..	8.6 per cent. deficient in fat	
158	Concentrated Lemon ..		Contained only about 1-fourth the average amount of Citric Acid found in lemons. The description "Concentrated Lemon" is therefore false.
165	Lime Juice ..	At least 18.0 per cent. added water	
224	Milk ..	10.0 per cent. deficient in fat	
255	Milk ..	5.1 per cent. added water	
256	Milk ..	13.0 per cent. added water	
273	Cream of Tartar	20 parts per million of lead	Contained 40 parts per million of lead. The maximum allowed by the British Pharmacopoeia is 20 parts per million.
282	Milk ..	3.8 per cent. added water	

Table V.

Adulterated unofficial samples:—

No.	Nature of Sample.	Nature of Adulteration.	Observations.
35	Seidlitz Powder ..	Blue packet deficient 4.2 % of its weight. White packet 5.3 % in excess of its weight	
40	Seidlitz Powder ..	Blue packet 16.7 % in excess of its weight. White packet 2.44 % in excess of its weight	
51	Lime Juice Cordial	0.38 per cent. Phosphoric Acid..	21 % of total acidity due to this adulterant.
75	Sponge Cakes ..	Boric acid 0.11 per cent. ..	Should contain no Boric acid ; quantity present was equivalent to 7.7 grains per pound.

MILK.

Excluding the 12 adulterated samples, the average composition of the remaining 110 samples was:—

Fat 3.58 per cent. Non-fatty solids 8.98 per cent. these figures being almost identical with the averages for 1922.

The averages for the four quarters of the year (excluding the adulterated samples) have been:—

			Samples	Fat %	Solids Non-Fat %
1st Quarter	...	...	26	3.54	9.00
2nd „	...	...	29	3.57	9.09
3rd „	...	...	27	3.50	8.87
4th „	..	...	28	3.71	8.97

As in 1922 no colouring or preservative has been detected.

CONDENSED MILK.

On May 1st, 1923, the Ministry of Health issued Regulations relating to the Sale of Condensed Milk, under which it is compulsory inter alia that:—

(a) Labelling.

1. Every tin of condensed milk must bear a label specifying its description (e.g., full

cream, unsweetened), and stating the equivalent volume of milk (or skimmed milk) contained in the tin.

2. Every tin of condensed skimmed milk must be labelled “Unfit for Babies.”

3. The name and address of the manufacturer of the condensed milk must appear on the label.

4. Any instructions as to dilution placed on a tin of condensed milk must be quantitatively accurate.

5. For the purposes of these Rules milk means milk which contains not less than 12.4 per cent. of milk solids (including not less than 3.6 per cent. of milk fat), and skimmed milk means milk which contains not less than 9 per cent. of milk solids other than milk fat.

(b) Composition.

Condensed milk must contain not less than the following percentages:—

	Milk Fat per cent.	All Milk Solids per cent.
Full cream, unsweetened ...	9	31
Full cream, sweetened ...	9	31
Skimmed, unsweetened . .	—	20
Skimmed, sweetened ...	—	26

(c) General.

The Regulations apply to all condensed milk intended for sale for human consumption whether produced in this country or imported from abroad.

These Regulations should do much to prevent the starving of infants through the ignorance of the public or the cupidity of the makers.

DRIED MILK.

Regulations have also been issued on November 25th, 1923, under the title "Public Health (Dried Milk) Regulations, 1923," in which it is provided that:—

"No person shall sell or expose for sale any dried milk intended for human consumption unless the dried milk contains not less than the following percentages of milk fat, namely—

In the case of milk described as dried full cream milk, not less than 26 per cent.;

In the case of milk described as dried three-quarter cream milk, not less than 20 per cent.;

In the case of milk described as dried half cream milk, not less than 14 per cent.; and

In the case of milk described as dried quarter-cream milk, not less than 8 per cent."

The tins or other receptacles containing Dried Milk must be correctly labelled as the case may be—

Dried Partly Skimmed Milk (Three quarters Cream)	Dried Full Cream Milk
Dried Partly Skimmed Milk <i>or</i> (Half Cream)	Dried Machine Skimmed Milk (Dried Skimmed Milk)

For the purposes of this Rule the terms "Milk," "Three-quarter cream milk," "Half-cream milk" and "Quarter-cream milk," mean milk containing not less than the following percentages of milk fat and milk solids, that is to say:—

	Milk Fat.	Milk Solids (including Fat)
Milk	3·6	12·4
Three-quarter cream milk ...	2·7	11·6
Half cream milk	1·8	10·8
Quarter-cream milk	·9	9·9

and "Skimmed Milk" means milk which contains not less than 9 per cent. of milk solids other than milk fat.

SPONGE CAKES.

Thirty-four samples were examined and of these seven contained Boron Preservative, the quantity ranging from traces to 0.31 per cent. (21.7 grains per pound). This is an improvement upon the results obtained last year when 39 samples were tested and 17 contained preservative; the results, however, show the importance of continued vigilance in regard to articles of this nature.

It is important to note that in consequence of the activity of the Authorities, the following resolution was passed by the Bakery Allied Traders' Association on February 1st, 1923:—

"That its members should sign a bond that in future the sale of liquid whole egg should be under the following conditions:—

(1) Sale only to be made on the understanding that Liquid Whole Egg must not be used in the manufacture of Sponge Fingers, Sponge Biscuits and 1d., 1½d., and 2d. plain Sponge Cakes.

(2) That all Invoices should bear a statement to the buyer that Liquid Egg must not be used in the manufacture of Sponge Fingers, Sponge Biscuits, and 1d., 1½d., and 2d. plain Sponge Cakes."

It may be observed that the fingers, biscuits and small cakes to which this resolution relates are those which are most likely to be used by infants and invalids.

If effect is given to the decisions of the Association the danger of the presence of excessive pre-

servatives in cake will be substantially reduced. Local authorities will, of course, be able, as at present, to take proceedings under section 3 or section 6 of the Sale of Food and Drugs Act, 1875, in any case in which they consider that the amount of Boric Acid found in a sample of cake (whether within the scope of the Association's second resolution or not) is excessive.

In conclusion, it is satisfactory to note that the percentage of adulterated samples is one of the lowest in my experience.

I am,

Mr. Mayor and Gentlemen,

Your obedient Servant,

R. A. CRIPPS.

